

WEEE Disassembly Manual

To. **WINIX INC.**
 80-13 Sujeong-ro, Jangan-myeon
 Hwaseong-si, Gyeonggi-do
 Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Product Name : Air Purifier
 Item No./Part No. : T800
 Sample receiving date : 2023/06/06
 Client Reference Data : T800 PJT Series
 (AT8U437-MWT, AT8U437-MST, AT8U437-MBT, WXAP800S, WXAP800W,
 WXAP800B, ZERO-T, AT8U437-MWN, AT8U437-MSN, AT8U437-MBN, WXAP800BL,
 AT8U457-NWE, AT8U457-NWB)

The Air Purifier is classified as Category 5 under Annex IB of Directive 2012/19/EU. The following table shows the WEEE Directive compliance conclusion.

Item	Assessment	Recycled Rate(%)	Recovered Rate(%)
Result of Assessment		87.4	91.6
Minimum Recovery targets under WEEE (recast) Directive Annex V Part3		55	75
WEEE requirement compliance		PASS	PASS
Disassembly time(sec.)		259200	

SGS Korea Co. Ltd.



Jeff Jang/E&E Chem. Mgr

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1. Product Information

The product is a Air PurifierThe weight of this product is 4753.44g.

The appearance of the product is as follows:

	<p>TOP</p> 		
Left	<p>Front</p> 	Right	Back
	<p>Bottom</p> 		

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2. Product Composition

The composition and weight of each part is described as follows:

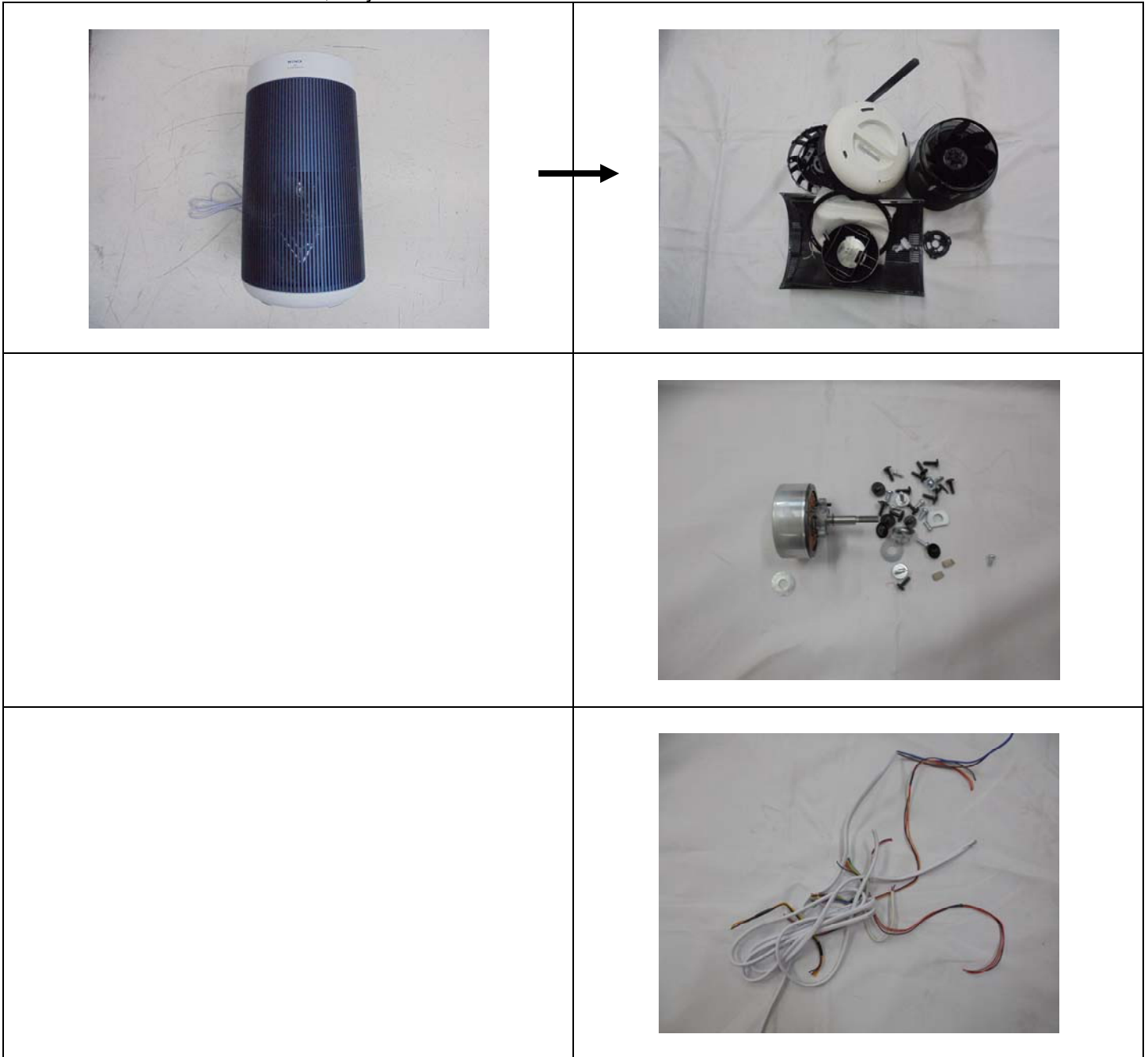
Part Name	Composition	Weight (g)	Percent (%)
ALL PLASTIC	PLASTIC	3980	83.7
ALL METAL	METAL	416.42	8.8
CABLE	CABLE	117.2	2.5
PCBA	PCBA	239.82	5.0
Total		4753.44	100

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3. Disassembly Procedure

3.1 Flow Chart for Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex II of the WEEE Directive. In addition to considering economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.








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3.2 Component and Material Composition

The material declaration for this product, the disassembly tools and the disassembly time are described in the following table.

Procedure		Part					Disassembly			Remark
No.	Picture	No.	Name	Picture	Material	Weight (g)	Connection Technique	Tool	Time(s.)	
1		1	ALL PLASTIC		PLASTIC	3980	Clip, Solder, Screw	Screw driver, Nipper	259200	
		2	ALL METAL		METAL	416.42				
		3	CABLE		CABLE	117.2				
		4	PCB ASS'Y		PCBA	239.82				

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4. Recycled and Recovered Rate Assessment

The recycled and recovered rate assessment for this product is based upon the waste treatment technologies and equipment that are most frequently available to the market.

The following table is the result of the assessment.

Part Name	Composition	Recycled rate (%)*	Energy Recovery (%)*	Recovered rate (%)*
ALL PLASTIC	PLASTIC	75.4	4.2	79.6
ALL METAL	METAL	8.3	-	8.3
CABLE	CABLE	1.2	-	1.2
PCBA	PCBA	2.5	-	2.5
Total		87.4	4.2	91.6

*: the percentages are based on the total device weight.

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5. WEEE Directive Compliance

5.1 Selective Treatment for Materials and Components

This product contains component and material items, listed in Annex VII of the WEEE

Directive, that require selective treatment for materials and components of waste electrical and electronic equipment in accordance with Article 6(1). They are described in the following table.

Component/Material	Photo No.
-	-

5.2 Recycled and Recovered Rate Assessment

Item	Assessment	Recycled Rate(%)	Recovered Rate(%)
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